Surge Tanks

Dampens Pump Pulsation for Consistent Finish Quality

Medium Volume
In-line Configuration

220157

High Volume
In-line Configuration

238986
238987
238988

Medium Volume
Tee Configuration

233736

- Reduces pulsation for consistent material delivery and uniform spray pattern
- High quality design reduces maintenance and charge pressure refills
- In-line flow configuration is easy to flush, making color changes quick and easy
- Isolate the surge tank and perform on-line maintenance with tee configuration
- Multiple fluid connection options accommodate global system requirements

PROVEN QUALITY. LEADING TECHNOLOGY.

Ordering Information

238986 **High Volume Stainless Steel Model**
Inlet/outlet: 2 npt(f)

238987 **High Volume Stainless Steel Model**
Inlet/outlet: 2 in (50.8 mm) sanitary Tri-Clamp

238988 **High Volume Stainless Steel Model**
Inlet/outlet: 1.5 in (38.1 mm) sanitary Tri-Clamp

218509 **High Volume Carbon Steel Model**
Inlet/outlet: 2 npt(f)

220157 **Medium Volume Stainless Steel Model**
Inlet/outlet: 1 npt(f) x 1-1/4 npt(f)

233736 **Tee Configured Stainless Steel Model**
Inlet/outlet: 3/4 BSPP(f)

Accessories

218742 **Floor Stand Kit**
Floor stand supports surge tank models 238983, 238984, 238985, 218509 and 222157

222011 **Grounding Clamp and Wire**
12 gauge x 25 ft (7.6 m) wire

Inlet/Outlet Fittings and Connectors
Accessories for surge tank models 238986, 238987 and 238988 to convert to different thread configurations.

187150 1-1/2 npt(f) x 2 in (50.8 mm) sanitary

191771 2 npt(f) x 2 in (50.8 mm) sanitary

188286 1-1/2 in (38.1 mm) sanitary Tri-Clamp connection x 2 in (50.8 mm) sanitary

187004 2 in (50.8 mm) sanitary Tri-Clamp connection x 2 in (50.8 mm) sanitary

107078 O-ring (one required with each inlet/outlet fitting)

Adapter Fittings for Surge Tank Model 233736

15A984 3/4 bspt(m) x 3/4 npt(m), stainless steel. Use with surge tank model 233736 to convert fluid thread from BSPP to npt.

15A983 1/4 bspt(m) x 1/4 npt(m), stainless steel. Use with surge tank model 233736 to convert air inlet thread from BSPP to npt.

Technical Specifications

Surge Tank	High Volume		Medium Volume	
Part Number	238986, 238987, 238988	218509	220157	233736
Material of construction	SST	CS	SST	SST
Flow configuration	In-line	In-line	In-line	Tee configuration
Maximum fluid pressure	300 psi (21 bar, 2.1 MPa)	600 psi (42 bar, 4.2 MPa)	600 psi (42 bar, 4.2 MPa)	360 psi (25 bar, 2.5 MPa)
Maximum fluid flow*	20 gpm (76 lpm)	20 gpm (76 lpm)	15 gpm (57 lpm)	N/A**
Inlet/outlet thread size	2 npt(f) or 2 in (50.8 mm) or 1.5 in (38.1 mm) sanitary tri-clamp	2 npt(f)	1 npt(f) / 1-1/4 npt(f)	3/4 BSPP(f)
Maximum gas charge pressure	300 psi (21 bar, 2.1 MPa)	600 psi (42 bar, 4.2 MPa)	600 psi (42 bar, 4.2 MPa)	115 psi (8 bar, 0.8 MPa)
Diaphragm repair kit	249141	218799	220844	198777
Instruction manual	307707	307707	307707	307707

**Maximum flow rates are recommended maximums for peak performance. Exceeding these values reduces the surge tank's ability to dampen pulsation.*
***Maximum flow rate does not apply to tee configuration as it is not a flow through (in-line) design.*

All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Call today for product information or to request a demonstration.
877.84GRACO (1-877-844-7226) or visit us at www.graco.com.

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